

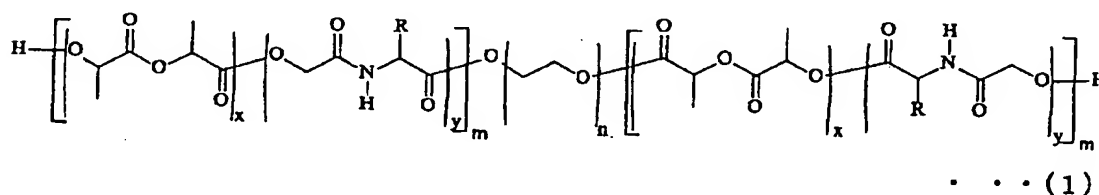
1. An A<sup>1</sup>-B-A<sup>2</sup> triblock copolymer consisting of segments A<sup>1</sup> and A<sup>2</sup> each composed of a polymer having a depsipeptide unit, and segment B composed of polyalkylene glycol, said copolymer having a number average molecular weight of 8000 to 500000.

2. The triblock copolymer of claim 1, wherein said polymer having a depsipeptide unit is selected from the group consisting of a homopolymer of depsipeptide, and a copolymer of lactide and depsipeptide.

3. The triblock copolymer of claim 1, wherein said polyalkylene glycol is polyethylene glycol.

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4. The triblock copolymer of claim 2, wherein said triblock copolymer is represented by the formula (1):



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segments  $A^1$  and  $A^2$ ,  $x$  is a number of 0 or more,  $y$  is a number of 1 or more, and  $x$  and  $y$  satisfy the formula  $0.04 \leq (y/(x+y)) \leq 1$ ;  $m$  and  $n$  each represents a polymerization degree,  $m$  is a positive integer, and  $n$  is an integer of 100 to 1200.

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5. A method for producing a triblock copolymer of claim 4, comprising ring-opening polymerizing depsipeptide and lactide with a hydroxyl group at each end of polyethylene glycol having a polymerization degree of 100 to 1200, in  
10 the presence of a metal catalyst for ring-opening polymerization without a solvent.

6. A biocompatible material comprising an  $A^1$ -B- $A^2$  triblock copolymer of claim 1 as a main component.

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7. The biocompatible material of claim 6, wherein said triblock copolymer is a triblock copolymer of claim 4.

8. The biocompatible material of claim 7, wherein in the  
20 formula (1) representing said copolymer,  $x$  and  $y$  satisfy the formula  $0.04 \leq (y/(x+y)) \leq 0.2$ , and  $n$  is an integer of 250 to 455.

9. The biocompatible material of claim 6, wherein said  
25 polyalkylene glycol in segment B is polyethylene glycol, polypropylene glycol, or polybutylene glycol.

10. The biocompatible material of claim 7, wherein said biocompatible material is a tissue anti-adhesion barrier.